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## PATENT

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Faustman et al.

Serial No.: 09/031,629

Filed: February 27, 1998

Entitled: METHODS FOR DIAGNOSING AND  
TREATING AUTOIMMUNE DISEASE

Atty. Docket No.: 17633/1030

Examiner: P. Nolan

Art Unit: 1644

Confirmation No.: 8880

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Box: CPA  
Commissioner for Patents  
Washington, D.C. 20231

### PRELIMINARY AMENDMENT

Sir:

Kindly enter the following amendments and remarks in the above referenced patent application.

#### In the Claims:

Kindly replace claims 65, 70 and 71 with the following:

Sub E1  
D1  
65. A method of screening for autoimmune disease associated with a reduction in NF $\kappa$ B activity in a mammal deemed to be at risk for an autoimmune disease, comprising:

- a) providing a biological sample from a mammal; and
- b) detecting activity of proteasomes in said sample by measuring the level of proteolytic products derived from the proteolytic processing of NF $\kappa$ B by said proteasomes generated by said proteasomes, wherein a reduction in the level of said proteolytic products from a basal state is correlated with the presence of an autoimmune disease associated with a reduction in NF $\kappa$ B activity.